

Table B.1 Sensitivity analyses of cardiovascular diseases

Random effects model results after individual removal of each trail		Risk Ratio (95% CI)
Lavallee,2014	Stroke	0.73 (0.70-0.77)
Grau,2005	Stroke	0.74 (0.70-0.78)
Kao,2017	Stroke	0.74 (0.71-0.78)
Liu,2012	Stroke	0.74 (0.70-0.78)
Hung,2010	Stroke	0.74 (0.70-0.78)
Wang,2016	Stroke	0.74 (0.70-0.78)
Nichol,2003	Stroke	0.74 (0.70-0.77)
Nichol,2003	Stroke	0.74 (0.70-0.78)
Chiang,2017	Stroke	0.73 (0.69-0.78)
Lavallee,2002	Stroke	0.74 (0.70-0.78)
Lin,2014	Stroke	0.74 (0.70-0.78)
Pinol-Ripoll,2008	Stroke	0.73 (0.70-0.77)
Siriwardena,2014	Stroke	0.74 (0.70-0.78)
Siriwardena,2014	Stroke	0.73 (0.70-0.77)
Puig-Barbera,2007	Stroke	0.74 (0.70-0.78)
Lavallee,2014	Myocardial infarction	0.74 (0.70-0.78)
Siriwardena,2010	Myocardial infarction	0.73 (0.70-0.78)
Hsu,2016	Myocardial infarction	0.74 (0.70-0.78)
Hung,2010	Myocardial infarction	0.74 (0.70-0.78)
Heffelfinger,2006	Myocardial infarction	0.73 (0.70-0.77)
Chiang,2017	Myocardial infarction	0.73 (0.70-0.78)
Meyers,2004	Myocardial infarction	0.74 (0.70-0.78)
Naghavi,2000	Myocardial infarction	0.74 (0.70-0.78)
Ciszewski,2008	Myocardial infarction	0.74 (0.70-0.78)
Ciszewski,2008	Myocardial infarction	0.74 (0.70-0.78)
Chen,2015	Acute coronary syndrome	0.75 (0.72-0.79)
Phrommintikul,2011	Acute coronary syndrome	0.74 (0.70-0.78)
Sung,2014	Acute coronary syndrome	0.75 (0.71-0.79)
Puig-Barbera,2007	Acute coronary syndrome	0.74 (0.70-0.78)
Phrommintikul,2011	Heart failure	0.74 (0.70-0.78)
Hung,2010	Heart failure	0.73 (0.70-0.77)
Fang,2016	Heart failure	0.75 (0.72-0.79)
Nichol,2003	Heart failure	0.74 (0.70-0.78)
Nichol,2003	Heart failure	0.74 (0.70-0.78)
Chen,2013	Heart failure	0.75 (0.71-0.78)
Kaya,2017	Heart failure	0.74 (0.71-0.78)
Chang,2012	Heart failure	0.73 (0.70-0.77)
Huang,2013	Ischemic heart disease	0.74 (0.70-0.78)
Hung,2010	Ischemic heart disease	0.74 (0.70-0.78)
Nichol,2003	Ischemic heart disease	0.74 (0.70-0.78)
Nichol,2003	Ischemic heart disease	0.73 (0.70-0.77)
Lavallee,2014	MACEs	0.73 (0.70-0.77)

Johnstone,2012	MACEs	0.73 (0.70-0.77)
Johnstone,2012	MACEs	0.74 (0.70-0.78)
Johnstone,2012	MACEs	0.74 (0.70-0.78)
Johnstone,2012	MACEs	0.74 (0.71-0.78)
Ciszewski,2008	MACEs	0.74 (0.70-0.78)
Phrommintikul,2011	MACEs	0.74 (0.70-0.78)
Gurfinkel,2002	MACEs	0.74 (0.70-0.78)
Chiang,2017	MACEs	0.73 (0.69-0.78)
Ciszewski,2008	Cardiovascular mortality	0.74 (0.70-0.78)
Phrommintikul,2011	Cardiovascular mortality	0.74 (0.70-0.78)
Chan,2012	Cardiovascular mortality	0.74 (0.70-0.78)
Gurfinkel,2004	Cardiovascular mortality	0.74 (0.70-0.78)
Kaya,2017	Cardiovascular mortality	0.74 (0.70-0.78)
Armstrong,2004	Cardiovascular mortality	0.73 (0.70-0.77)
Voordouw,2004	Cardiovascular mortality	0.73 (0.70-0.77)
Wang,2016	Heart disease	0.74 (0.70-0.78)
Su,2016	Heart disease	0.74 (0.70-0.78)
Chang,2016	Heart disease	0.73 (0.70-0.77)
Liu,2012	Cardiovascular disease	0.73 (0.70-0.77)
Siscovick,2000	Cardiac arrest	0.74 (0.70-0.78)
Chang,2016	Atrial fibrillation	0.73 (0.69-0.77)

Table B.2 Sensitivity analyses of respiratory diseases

Random effects model results after individual removal of each trail		Risk Ratio (95% CI)
Hung,2010	Asthma	0.75 (0.91-0.83)
Hung,2010	COPD	0.75 (0.92-0.83)
Ting,2011	COPD	0.75 (0.92-0.83)
Chang,2012	COPD	0.73 (0.89-0.81)
Hung,2010	Pneumonia	0.75 (0.91-0.83)
Hung,2010	Pneumonia	0.75 (0.91-0.83)
Voordouw,2003	Pneumonia	0.75 (0.91-0.83)
Kondo,2015	Pneumonia	0.75 (0.91-0.83)
Washio,2016	Pneumonia	0.75 (0.92-0.83)
Voordouw,2006	Pneumonia	0.74 (0.91-0.82)
Silaporn,2013	Pneumonia	0.73 (0.90-0.81)
Silaporn,2013	Pneumonia	0.74 (0.90-0.81)
Silaporn,2013	Pneumonia	0.74 (0.90-0.82)
Silaporn,2013	Pneumonia	0.74 (0.91-0.82)
Christenson,2004	Pneumonia	0.74 (0.91-0.82)
Christenson,2004	Pneumonia	0.75 (0.91-0.83)
Chang,2016	Pneumonia	0.75 (0.92-0.83)
Liu,2018	Pneumonia	0.78 (0.92-0.85)
Puig-Barberà,2007	Pneumonia	0.75 (0.92-0.83)
Nichol,1999	Respiratory diseases	0.75 (0.91-0.83)

Chang,2012	Respiratory diseases	0.74 (0.90-0.81)
Jordan,2007	Respiratory diseases	0.74 (0.90-0.82)
Lee,2014	Respiratory diseases	0.74 (0.90-0.82)
Huang,2017	Respiratory failure	0.74 (0.91-0.82)
Wang,2016	Respiratory failure	0.74 (0.91-0.82)
Su,2016	Respiratory failure	0.77 (0.93-0.85)
Tsai,2007	Respiratory infection	0.74 (0.91-0.82)
Voordouw,2006	Respiratory infection	0.74 (0.90-0.81)
Chan,2012	Respiratory mortality	0.75 (0.91-0.82)
Christenson,2004	Respiratory mortality	0.74 (0.91-0.82)
Armstrong,2004	Respiratory mortality	0.74 (0.91-0.82)
Voordouw,2004	Respiratory mortality	0.74 (0.90-0.82)
Chan,2013	Respiratory mortality	0.74 (0.91-0.82)
Lee,2014	Respiratory mortality	0.76 (0.92-0.84)

Table B.3 Sensitivity analyses of all-cause mortality

Random effects model results after individual removal of each trail		Risk Ratio (95% CI)
Kopel,2014	All-cause mortality	0.57 (0.51-0.63)
Kopel,2014	All-cause mortality	0.56 (0.51-0.62)
Kopel,2014	All-cause mortality	0.56 (0.51-0.62)
Gurfinkel,2004	All-cause mortality	0.57 (0.51-0.63)
Hung,2010	All-cause mortality	0.56 (0.51-0.62)
Nichol,1999	All-cause mortality	0.58 (0.52-0.64)
Campitelli,2010	All-cause mortality	0.57 (0.51-0.63)
Ortqvist,2007	All-cause mortality	0.58 (0.52-0.64)
Ortqvist,2007	All-cause mortality	0.58 (0.52-0.64)
Spaude,2007	All-cause mortality	0.57 (0.51-0.63)
Voordouw,2003	All-cause mortality	0.56 (0.51-0.63)
Shapiro,2003	All-cause mortality	0.58 (0.53-0.64)
Shapiro,2003	All-cause mortality	0.57 (0.52-0.63)
Wang,2016	All-cause mortality	0.57 (0.51-0.63)
Rodriguez,2012	All-cause mortality	0.57 (0.51-0.63)
Heymann,2004	All-cause mortality	0.58 (0.52-0.64)
Chan,2012	All-cause mortality	0.57 (0.51-0.63)
Yokomichi,2014	All-cause mortality	0.57 (0.51-0.63)
Yokomichi,2014	All-cause mortality	0.57 (0.51-0.63)
Eurich,2008	All-cause mortality	0.57 (0.51-0.63)
Bond,2012	All-cause mortality	0.56 (0.51-0.63)
Gurfinkel,2002	All-cause mortality	0.57 (0.51-0.63)
Nichol,2003	All-cause mortality	0.57 (0.51-0.63)
Nichol,2003	All-cause mortality	0.57 (0.51-0.63)
Arriola,2017	All-cause mortality	0.57 (0.52-0.63)
Blaya,2016	All-cause mortality	0.57 (0.51-0.63)
Chang,2012	All-cause mortality	0.57 (0.51-0.63)

Christenson,2004	All-cause mortality	0.56 (0.50-0.64)
Su,2016	All-cause mortality	0.59 (0.53-0.65)
Herzog,2003	All-cause mortality	0.56 (0.51-0.63)
Landi,2003	All-cause mortality	0.56 (0.51-0.63)
Armstrong,2004	All-cause mortality	0.56 (0.51-0.62)
Voordouw,2004	All-cause mortality	0.56 (0.51-0.62)
Vila,2008	All-cause mortality	0.56 (0.51-0.63)
de Diego,2009	All-cause mortality	0.56 (0.51-0.63)
Liu,2012	All-cause mortality	0.57 (0.51-0.63)
Chan,2013	All-cause mortality	0.56 (0.51-0.63)
Mahamat,2013	All-cause mortality	0.56 (0.51-0.62)
Lee,2014	All-cause mortality	0.57 (0.51-0.63)
Castilla,2015	All-cause mortality	0.56 (0.51-0.62)
Chang,2016	All-cause mortality	0.57 (0.52-0.63)
Poscia,2017	All-cause mortality	0.56 (0.51-0.62)
Liu,2018	All-cause mortality	0.57 (0.51-0.63)
